

FY2011- 2013 RCRA SUBTITLE "C" HAZARDOUS WASTE GRANT WORKPLAN
Pennsylvania Department of Environmental Protection
FY2013 Update

Goal 3 Land Preservation and Restoration – Preserve and restore the land by using innovative waste management practices and cleaning up contaminated properties to reduce risks posed by releases of harmful substances.		
Objective 3.2: Restore Land. By 2013, control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.		
Sub-Objective 3.2.2: Clean Up and Reuse Contaminated Land.		
Work Plan Component/Program: RCRA Subtitle C- Hazardous Waste Permitting	Fiscal Year: 2013 EPA Contact: Andrea Barbieri State Contact: Glenn Mitzel	FY13 Commitments
Measures	Planned Accomplishments	Midyear/ End-of-Year Status/Comment
State Level Results: Number of hazardous waste facilities with new or updated controls ACS – HW0	<p>Outputs/Commitments:</p> <p>1. Number of new permits (including facility names)* One potential new permit applications (accomplishments during FFY2013 undetermined):</p> <p>New Permits: Action Manufacturing, PAD096844311, West Fallowfield Township, Chester County - On November 11, 2009, Action Manufacturing submitted a RCRA permit application for a miscellaneous treatment unit, pursuant to 40 CFR 264, Subpart X, to utilize contained burn technology to treat Action's energetic waste streams. The batch treatment operation will be contained in an enclosed burn chamber and the exhausts managed by an air pollution control system. An approved trial burn was conducted prior to application submittal to develop data used in support of the RCRA permit application. The application was determined to be administratively complete on February 12, 2010, and is undergoing technical review. Review is expected to be completed in FY2013.</p> <p>Potential New Permits: Elcon Energy, a company based in Israel, has expressed an interest in siting a facility in Southeastern Pennsylvania to thermally process organic, metal bearing wastes from pharmaceutical, chemical, electronics, and other industries. A preliminary meeting is scheduled for October 7, 2011 with Elcon to discuss permitting requirements.</p>	<p>Midyear Status: The permit application is currently under review and a second technical deficiency letter was issued on February 11, 2013. A response was received on March 21, 2013. The permit is expected to be issued in FY2013. EOY Status: Notices for draft permit were published and the permit is expected to be issued in FY2014.</p> <p>Midyear Status: No activity this mid-year. EOY Status: Company is continuing to work on a Part A Permit and Phase I Siting application submission.</p>

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	<p>2. Number of renewals (including facility names)* 12</p> <p><u>FY11 Renewals (5 permits)</u></p> <p>Honeywell Sunoco Frankford - PAD002312791</p> <p>Johnson Matthey (Lonza, Inc.) - PAD980550412</p> <p>Sunoco, Inc., Marcus Hook - PAD980550594</p> <p>Sunoco, Inc., Philadelphia Refinery – PAD049791098</p> <p>Siemens Water Technologies Darlington – PAD987270725</p> <p><u>FY12 Renewals (3 permits)</u></p> <p>Babcock & Wilcox Koppel - PAD987335379</p> <p>Merck & Co. – PAD002387926</p>	<p>Midyear and EOY Status: A renewal permit was issued on November 7, 2012.</p> <p>Midyear Status: A draft permit is currently being prepared by the Department. The permit is expected to be issued in FY2013. EOY Status: Revision received May 31, 2013.</p> <p>Midyear Status: Renewal notices for draft permit were published and the permit is expected to be issued in FY13. EOY Status: Renewal Permit issued May 2, 2013.</p> <p>Midyear Status: Renewal notices for draft permit were published and the permit is expected to be issued in FY13. EOY Status: Renewal Permit issued May 2, 2013.</p> <p>Midyear Status: Submitted additional revisions after the Draft Permit was prepared and publicly noticed in 2008. These revisions are currently under review. Draft Permit is expected to be issued in FY13. EOY Status: Permit issued May 15, 2013.</p> <p>Midyear Status: The post-closure permit renewal application was deemed to be administratively complete on June 1, 2011. Two (2) technical deficiency letters were sent on October 24, 2012 and March 14, 2013. Draft permit expected to be published May 2013. EOY Status: Permit issued June 24, 2013.</p> <p>Midyear Status: Data was entered for a renewal application received on March 16, 2012. A completeness letter was issued by the Department on January 3, 2013. Permit expected to be issued in FY13. EOY Status: No change.</p>

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<p><u>FY12 Renewals (continued)</u></p> <p>Republic Environmental Systems PAD085690592</p>	<p>Midyear Status: Data was entered for a renewal application received on November 22, 2011. A completeness letter was issued by the Department on December 20, 2011. A deficiency letter was issued on June 8, 2012 and a response was received on November 6, 2012. Permit expected to be issued in FY13. EOY Status: Revisions received September 4, 2013.</p>
<p><u>FY13 Renewals (5 permits)</u></p> <p>General Electric – PAD005033055</p>	<p>Midyear and EOY Status: Renewal Permit issued on December 10, 2012.</p>
<p>Safety Kleen (Erie) – PAD086673407</p>	<p>Midyear Status: Received renewal permit application on February 26, 2013. It was determined administratively complete on March 15, 2013 and is now in Technical review. EOY Status: Renewal Permit issued August 29, 2013.</p>
<p>Safety Kleen (West Mifflin) – PAD982576258</p>	<p>Midyear Status: Permit received December 20, 2012. Administratively complete on March 4, 2013. EOY Status: No change.</p>
<p>Tobyhanna Army Depot – PAD5213820892</p>	<p>Midyear Status: Draft permit issued March 22, 2013. EOY Status: Renewal Permit issued May 10, 2013.</p>
<p>United Environmental Group – PAD987283140</p>	<p>Midyear Status: Permit expires on October 31, 2013. UEG representatives (Penn E&R) had a pre-application meeting with DEP SWRO on February 12, 2013. Penn E&R has targeted submission of the HW permit renewal application on or before April 30, 2013. EOY Status: On May 21, 2013, DEP received UEG's renewal permit application absent the required permit application fee. After this, UEG decided not to pursue a renewal permit. On June 18, 2013, DEP sent a letter to UEG to withdraw their renewal application. On August 12, 2013, DEP sent a letter to remind UEG that implementation of the closure plan should commence according to the applicable regulations.</p>

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	<p>Number of actions associated with the oversight, management and maintenance of active permits. – Undetermined, conducted as needed; to be reported in mid-year and end-of-year reports.</p> <p>Enter all required data pertaining to permitting actions, including renewals, into RCRAInfo no later than 30 days following the action.</p> <p>Deliverables – The Grantee agrees to provide EPA the following information within the specified timeframes:</p> <p>A. Permit and closure information</p> <ul style="list-style-type: none"> • Notification of new facility permit applications within two weeks of receipt; • Copies of full draft permits (without attachments – unless requested by EPA) that include corrective action conditions no later than two (2) weeks prior to Public Notice;• For all facilities, the Grantee agrees to submit to EPA, within ten (10) working days of completion, a copy of all final permits issued, modified, or reissued, or permit denial or withdrawal actions. 	<p>Midyear and EOY Status:</p> <p>Bethlehem Apparatus - PA0000453084 - Class 3 modification expand to adjacent building, additional units – draft issued March 22, 2013. Class 3 modification approved July 29, 2013.</p> <p>World Resources Company - PAD981038227 - Class 1 permit modification to change waste acceptance limits issued on October 31, 2012.</p> <p>Letterkenny Army Depot PA6213820503 –Class I permit modification on August 30, 2012 for minor changes to burning tubes. This permit modification was approved by the SCRO on December 31, 2012.</p> <p>Exide Technologies PAD990753089 – Received Class 3 Permit modification on July 17, 2012, for the addition of a new SLAB storage area and other modifications. Administratively complete on October 19, 2012. Currently completing Tech 2 review and anticipate issuing a draft permit before Sept 30, 2013. Draft issued May 15, 2013 and final modification approved July 30, 2013.</p> <p>Siemens Darlington PAD987270725- Class I modifications for filtration system replacement and changes to feed system for rotary kilns. Class 1 permit modification to transfer ownership from Siemens Industry Inc. to Siemens Water Technology, LLC approved on July 12, 2013.</p> <p>Horsehead Resources PAD002395887 - Class 1 permit modification approved on May 8, 2013.</p>

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	<p>B. Closure/Post Closure data and information (within 30 days of occurrence or receipt):</p> <ul style="list-style-type: none"> • Copies of the approved closure and post-closure permits, orders, plans or other instruments, including ground water monitoring plans, for all facilities; • Copies of the closure certifications provided by facilities; • Copies of the State's reports of inspections conducted during closure activities; • Copies of any notice placed in the property deed, or other instrument that is normally examined during a title search, annotating the existence of any closed disposal facility/unit or cell; and • CME inspection Reports <p>C. Financial Assurance information</p> <ul style="list-style-type: none"> • Financial assurance information pertaining to permitting, and corrective action will be entered into RCRAInfo pertaining to corporate financial test, insurance, letter of credit and surety bond as mechanisms. • All TSD/closure & post closure/corrective action facilities must meet financial assurance requirements. • Grantee will report at end of year the following events for each facility (all that are applicable): <ul style="list-style-type: none"> a. Changes in mechanisms; b. Notices of Violation; c. Mechanisms with cost estimates that change greater than 10% percent 	<p>Midyear and EOY Status: On-going.</p> <p>Midyear and EOY Status: The RCRAInfo FA module has been updated with all current FA information and is updated on a yearly basis.</p> <p>Midyear and EOY Status: Sent letter to ArcelorMittal USA "No Longer Qualifies for use of Financial Test" on December 19, 2012. They submitted financial assurance Surety Bonds on January 8, 2013 for the following facilities:</p> <ol style="list-style-type: none"> 1. ArcelorMittal Steelton – PAD003026531 2. Tecumseh Redevelopment, Inc. – Johnstown. PAD004344222. 3. Tecumseh Redevelopment, Inc. – Williamsport. PAD003053758.

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	<p>Grantee will enter all required data pertaining to FA into RCRAInfo no later than 30 days from receipt of documentation from the facility</p> <ul style="list-style-type: none"> EPA will audit selected financial assurance packages at the mid and end of year review. <p>D. Combustion information: The Grantee agrees to provide EPA the following information within 30 days of occurrence or receipt:</p> <ol style="list-style-type: none"> Permits <ul style="list-style-type: none"> Applications <input type="checkbox"/> Draft permits (including Clean Air Act Title V permits where MACT EEE applies) Final permits (including Clean Air Act Title V permits where MACT EEE applies) Permit modifications Notifications (MACT requirements that are, in effect, self-implementing permits) <ul style="list-style-type: none"> Documentation of compliance Notification of compliance Testing <ul style="list-style-type: none"> Trial burn/comprehensive performance test plans Trial burn/CPT reports Confirmatory performance test reports Combustion Risk Assessments (these should be rare going forward) <ul style="list-style-type: none"> Risk assessment protocol Risk assessment report 	<p>Midyear and EOY Status: On-going.</p> <p>Midyear and EOY Status: DEP supported EPA's audit of Cycle Chem. Inc., PAD06709882. Financial assurance information forwarded to EPA Region 3 on May 14, 2013. PADEP is currently working with Cycle Chem. Inc. to update their financial assurance.</p>

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Sub-Objective 3.1.2: Manage Hazardous Wastes and Petroleum Products Properly.		
Work Plan Component/Program: RCRA Subtitle C- Waste Minimization and Sustainable Programs	Fiscal Year: 2013 EPA Contacts: Sharon D. Kenny, Peter Piergiovanni, State Contacts: Glenn Mitzel, Vu Tran	FY13 commitments
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<u>RESOURCE CONSERVATION CHALLENGE (RCC)</u> <u>Sustainability Partnership</u> - The Sustainability Partnership (SP), under the Energy and RCC Priority, bundles cross-divisional partnership programs and markets them collectively to potential partners who are interested in reducing energy/resource consumption and waste generation in the Mid-Atlantic. Outcome: The net effect of SP will be to produce measurable environmental benefits such as energy saved, waste prevented/diverted, and climate impacts reduced.	Outputs/Commitments: The Bureau of Waste Management is dedicating efforts to implement Pennsylvania's Covered Device Recycling Act (CDRA), Act 108 of 2010. The CDRA requires establishment of recycling programs for certain covered devices; imposes duties on manufacturers and retailers of certain covered devices; provides for enforcement; establishes the Electronic Materials Recycling Account to fund activities under the Act; and prescribes penalties. Beginning January 24, 2013, desktop computers, laptop computers, computer monitors, computer peripherals, televisions, and any components of such devices may no longer be disposed in Pennsylvania with municipal waste. Additionally, covered devices that are not from an occupant of a single detached dwelling unit or a single unit of a multiple dwelling unit who has used a covered device primarily for personal or small business may no longer dispose of these devices or their components at that time. All of these devices are required to be properly recycled. Currently, at least 28 permanent electronic collection programs are operating in Pennsylvania. Between permanent electronic collection programs and periodic collection events, over 93 percent of the people in the Commonwealth have access to public recycling options.	Midyear Status: At this early stage of implementation of Pennsylvania's Covered Device Recycling Act, information has not yet been collected or compiled to demonstrate the effectiveness of the legislation. EOY Status: Currently, at least 28 permanent electronic collection programs are operating in Pennsylvania.

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	Continue efforts to recycle mercury through the PA Mercury Thermostat Program.	Midyear Status: Thermostat Recycling Corporation (TRC) coordinates the mercury thermostat collection efforts for the major manufacturers of thermostats. During 2012, TRC has recovered 115 pounds of elemental mercury through collection of mercury thermostats in Pennsylvania. EOY Status: Through the first two quarters of 2013, TRC has recovered about 75 pounds of mercury through collection of mercury thermostats in PA.
	Schools Chemical Cleanout Schools Chemical Cleanout Campaign (SC3) Demonstration Project, which is a component of the Priority and Toxic Chemical Reduction focus area. – This is the third year of a three-year program which will include training selected personnel from participating schools. The outputs and commitments will be re-evaluated in FFY2013.	Midyear Status: The PA DEP School Chemical Cleanout Project continued in 2013. A day-long training seminar, emphasizing best practices from an integrated chemical management perspective, was presented in all six DEP regions during November 2012. Representatives from over forty schools participated in the training. The participating schools were invited to submit applications for assistance with chemical cleanouts planned for July and August 2013. EOY Status: Of the over forty schools participating in the November 2012 Chemical Management Training, twenty schools submitted applications for assistance with chemical cleanouts. During July and August of 2013, the School Chemical Cleanout Campaign facilitated the disposal of about 4000 pounds of out of date, excess, and high risk chemicals from the 20 participating schools. The next round of the day-long training, emphasizing best practices from an integrated chemical management perspective, will be presented in all six DEP regions during November and early December.
	Sustainability Partnership (SP) Corporations and small business invited to join the SP program. – The PA DEP will support EPA Region 3's efforts to promote the SP Program.	

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Sustainability Operations –

By the end of FY13, conduct a self- assessment of grantee's sustainable activities to provide a baseline for future sustainable operations activities.

In accordance with EPA's mission and strategic plan for environmental stewardship, the grantee will submit a report on sustainable environmental practices for reducing the recipient's environmental footprint during normal business operations. The report shall include activities related to: (1) Acquisition of products (i.e. recycled/recovered content products, environmentally preferable products, alternative fuel vehicles), (2) Reducing energy and water consumption, (3) Reusing and recycling materials such as solid waste, construction and demolition materials, (4) Reducing or eliminating the use of toxic chemicals and hazardous materials, and (5) Incorporating electronics stewardship practices for disposition of electronic equipment. Progress and final report due as determined by project officer. – **PA DEP will provide information with respect to these areas as available through ongoing programs and efforts. Much of this information is dependent upon what is available through other state agencies such as the Pennsylvania Department of General Services.**

On August 29, 2007, The PADEP and the PA Dept. of General Services (DGS) co-signed Management Directive 205.22 to establish policies, responsibilities and procedures to ensure that each Commonwealth agency incorporates recycling and waste prevention in the agency's daily operations and works to increase the agency's procurement of environmentally preferable products. This directive requires the DGS to prepare and submit an annual report to the PADEP by July 31 of each year.

The following items were selected from the 2012-13 DGS Recycling Program Report:*

Paper Products	6,001,349 lbs
Scrap Ferrous Metals	12,660,333 lbs
Scrap Aluminum	266,415 lbs
Bottles & Cans	64,000 lbs
Waste Oil	148,184 gallons
Tire/Rubber Scrap	1,937,380 lbs
E-Waste	289,845 lbs
Fluorescent Lamps (Hg)	14,391 lbs

The following items were selected from the 2012-13 DGS Green Purchasing Report:*

Copy Paper 50 % Recycled	1,231,007 cases
Envelopes 30 % Recycled	123,528,063 envelopes
Biodiesel	2,876,048 gallons
Waterborne Line Paint	1,477,300 gallons

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		<p>*The DGS Reports are available in spreadsheet format upon request. Additional documents relative to the Commonwealth of PA's sustainable activities will be forwarded separately to support this component of the FFY2013 EOY report. Please see the Governor's Green Government Council Web site at http://www.gggc.state.pa.us/portal/server.pt/community/governor%27s_green_government_council/13828 for additional information on the Commonwealth of PA's environmentally sustainable practices.</p>
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Work Plan Component/Program: RCRA Subtitle C- Information Management	Fiscal Year: 2013 EPA Contact: Susie Chun State Contact: Renee Bartholomew	FY13 commitments
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<p>RCRAInfo</p> <p>Hazardous waste data entered in RCRAInfo is accurate and up to date, enabling EPA to monitor and track the hazardous waste program, and enables the State to manage its hazardous waste program effectively.</p> <p>Comply with RCRAInfo requirements as stated in this Workplan and in the attached RCRAInfo technical document.</p> <ul style="list-style-type: none"> • GPRA State will ensure that all GPRA data is entered into RCRAInfo in a timely and appropriate manner so EPA can monitor and track GPRA facilities and meet GPRA commitments. • 2020 Corrective Action Universe State will ensure that all 2020 Universe data is entered into RCRAInfo in a timely and appropriate manner so EPA 	<p>RCRAInfo Outcomes/Outputs/Commitments</p> <p>Outcomes:</p> <ul style="list-style-type: none"> • Quality RCRA data. • Ability of EPA and States to monitor and track hazardous waste data. • All RCRA data in all RCRAInfo modules is complete, accurate, and up-to-data. <p>Data Commitments:</p> <ul style="list-style-type: none"> • Comply with any changes in RCRAInfo requirements as determined by EPA HQs, such as: <ul style="list-style-type: none"> ○ Definitions of Look-Up Tables ○ Procedures for Entering Data ○ The kind of data that must be entered ○ Functionality of RCRAInfo ○ Conversion to a new version of RCRAInfo • In order to receive credit for accomplishments reported at mid-year and at end-of-year, the state will enter all data and codes for each reported activity or accomplishment into RCRAInfo for modules for which the state is Implementer of Record (IOR), or submit data to EPA for entry into RCRAInfo for those modules for which the State is not IOR by mid-year and end of year. • Update data entry into RCRAInfo and confirm that data entry was completed by mid-year and by end-of-year for major/required RCRAInfo Modules that occur at the facility and/or that are indicated on the 	<p>Midyear and EOY Status: PADEP continued to meet this obligation in accordance with its RCRA Data QA/QC Plan. Data quality checks were performed weekly. Incomplete, missing, outdated and/or otherwise incorrect data was corrected within a maximum 30 day period. During the FY, PADEP corrected all SNC data errors in eFACTS and RCRAInfo.</p> <p>Midyear and EOY Status: PADEP maintained awareness of and compliance with changes in RCRAInfo requirements as determined and announced by EPA. During the FY, PADEP updated codes/descriptions in eFACTS and RCRAInfo Handler LookUp Tables. EPA's assistance was requested to complete this project.</p> <p>Midyear and EOY Status: PADEP entered all data and codes into RCRAInfo for each reported activity and/or accomplishment for which it is IOR or otherwise submitted the data to EPA for RCRAInfo entry for modules for which it is not IOR.</p> <p>Midyear and EOY Status: PADEP continued to update data entry into RCRAInfo and confirmed completion as directed by the obligation.</p>

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Work Plan Component/Program: RCRA Subtitle C - Information Management	Fiscal Year: 2013 EPA Contact: Susie Chun State Contact: Renee Bartholomew	FY13 commitments
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<p>can monitor and track 2020 Corrective Action facilities and meet the 2020 Corrective Action goal.</p> <p>Biennial Reporting Biennial Reporting will be required in 2013. During that FY:</p> <ul style="list-style-type: none"> o Ensure that all Biennial Reporting (BR) data are submitted on time for all facilities, in a format that meets EPA's specifications. o Ensure that there is a quality assurance (QA) process in place to assure accurate BR data is submitted to EPA. o Comply with EPA deadlines regarding the submittal of BR data. 	<p>Combined Grant Commitment spreadsheet.</p> <ul style="list-style-type: none"> • Translation: <ul style="list-style-type: none"> o Communicate Translation failures to EPA within 30 days of discovery of the Translation failure. o When Translation fails for >3 months, states must enter RCRA data directly into RCRAInfo until Translation is fully functional. o For translated data, assure that a QA check is performed on a routine basis to assure that the State system data is going into RCRAInfo accurately and correctly. • Maintain IOR status for all modules for which the State is currently IOR. • Where the State is authorized, but is not IOR for the corresponding RCRAInfo module, pursue IOR status <p>Data Outputs:</p> <ul style="list-style-type: none"> • Specifically report in the mid-year and by end-of-year for major/required Handler and CM&E activities, Financial Assurance cost estimates and mechanisms, and permitting and corrective action events that were entered into RCRAInfo. <ul style="list-style-type: none"> o For each unit in the PERMITTING UNIVERSE, ensure that the required permitting event codes (and appropriate Status Codes) are entered into RCRAInfo. <i>*A complete list of the required RCRAInfo Event Codes is attached in the RCRAInfo technical document.</i> 	<p>Midyear and EOY Status: PADEP monitored translation activity. For all translated data, a QA report was generated and reviewed every two weeks. Minor translation failures occurred infrequently for data in the Handler and CME modules. Correction of data translation failures (Handler and CME) occurred within one to five days upon discovery. No major translation failures occurred. For translation failures >2 weeks, data is entered manually into RCRAInfo with EPA approval.</p> <p>Midyear and EOY Status: PADEP maintained current IOR status for all modules for which the State is IOR.</p> <p>Midyear and EOY Status: PADEP reported all major / required activities, data and events (i.e. Handler, CM&E, Financial Assurance, etc.) to comply with this obligation.</p> <p>Midyear and EOY Status: PADEP verified that permitting event codes and status codes are entered into RCRAInfo.</p>

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Work Plan Component/Program: RCRA Subtitle C- Information Management	Fiscal Year: 2013 EPA Contact: Susie Chun State Contact: Renee Bartholomew	FY13 commitments
Measures	Planned Accomplishments	Midyear/ End-of-Year Status/Comment
	<ul style="list-style-type: none"> ○ For each area in the CORRECTIVE ACTION UNIVERSE, ensure that the appropriate Authorities, Areas of Concern, and required Event Codes (and appropriate Status Codes) are inputted into RCRAInfo. <i>* A complete list of required RCRAInfo Event Codes is attached in the RCRAInfo technical document.</i> ○ Ensure that changes in RCRAInfo and changes in program policy that impact RCRA data are integrated into the State's data management processes and procedures within 90 days of announcement of the change. ○ Quality Assurance: The state will ensure that appropriate quality assurance procedures are in place to maintain complete and accurate RCRAInfo data. The state will report on its QA activities for data entered into RCRAInfo. The information submitted must include the following: <ul style="list-style-type: none"> - What QA checks were performed - Who performed the QA checks - Frequency of checks - Corrective measures ● Module Data Cleanup <ul style="list-style-type: none"> ○ By the end of FY13, a clean-up of State owned violations in the CM&E module that are out-of-compliance greater than 150 days must be investigated and returned to compliance as appropriate. At least 50% must be completed by mid-year. The state will report on the progress of this activity in the mid-year and end-of-year 	<p>Midyear and EOY Status: PADEP ensured that changes to RCRAInfo and program policy were integrated into the PA Data Management processes and procedures as announced by EPA. During the second half of the previous FY, PADEP updated its QA/QC Plan to include a list of short-term and long-term major data quality correction/enhancement projects.</p> <p>Midyear and EOY Status: PADEP met this obligation in accordance with its RCRA Data QA/QC Plan. For example, QA checks are performed weekly for Handler and CM&E data. Incomplete, missing, outdated and/or otherwise incorrect data were corrected within a one- to a maximum 30-day period.</p> <p>Midyear and EOY Status: PADEP continued to clean up state-owned violations in the CM&E module. During the FY, at least 75% of the total violations were returned to compliance. QA checks for violation data continued throughout the reporting period on a weekly, monthly and quarterly basis to ensure continued compliance and data accuracy.</p>

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Goal 3 Land Preservation and Restoration – Preserve and restore the land by using innovative waste management practices and cleaning up contaminated properties to reduce risks posed by releases of harmful substances.

Objective 3.2: Restore Land. By 2013, control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and cleaning up and restoring contaminated sites or properties to appropriate levels.

Sub-Objective 3.2.2: Clean Up and Reuse Contaminated Land.

Work Plan Component/Program: CRA Subtitle C- Information Management	Fiscal Year: 2013 EPA Contact: Susie Chun State Contact: Renee Bartholomew	FY13 commitments
Measures	Planned Accomplishments	Midyear/ End-of-Year Status/Comment
	<p>report.</p> <ul style="list-style-type: none"> ○ By the end of FY13, a clean-up of the unaddressed SNCs in RCRAInfo should be completed. At least 50% must be completed by mid-year. The state will report on the progress of this activity in the mid-year and end-of-year report. ○ By the end of FY13, a clean-up to add Corrective Action facilities authorities, where missing, will be completed. The state will report on the progress of this activity in the mid-year and end-of-year report. • Data Submission Where the State is/is not authorized and/or sharing the work with EPA, and is not IOR for the corresponding RCRAInfo module, submit data to EPA within 30 days of the occurrence of the activity. • Data Entry For RCRAInfo modules for which the state is IOR, enter all required information into RCRAInfo within 30 days of the occurrence of the activity for Handler and CM&E and within 10 days of the occurrence of the activity for Corrective Action, Permitting, and Financial Assurance activities. • Translation: By mid-year and by end-of-year, verify that Translation is working properly and is translating accurate data from the state system into RCRAInfo. This includes reporting on successfully updating the translation in correlation to changes made in RCRAInfo. 	<p>Midyear and EOY Status: PADEP worked on a total of 17 SNCs. The total includes 2 new SNCs (Freehold Cartage – PA0000764928 and Spectrum Control – PAD000000505). Staff closed out 8 of the SNCs and continues to work on the remaining 9 SNCs (see attached SNC list).</p> <p>Midyear and EOY Status: PADEP entered Handler and CM&E data within 30 days of occurrence for modules for which it is IOR.</p> <p>Midyear and EOY Status: PADEP continued to monitor translation activity. For all translated data, a QA report was generated and reviewed on a daily basis. Minor translation failures occurred for data in two modules. Correction of the failures (Handler and CME) occurred within one to five days of discovery. Also, a problem was discovered with the Biennial Report data loading in that the loading caused the “State District Codes” to be deleted in RCRAInfo. PADEP addressed the problem and monitored the effectiveness of the remedy following the BR data loading. Overall, the translation is working properly.</p>

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Work Plan Component/Program: RCRA Subtitle C- Information Management	Fiscal Year: 2013 EPA Contact: Susie Chun State Contact: Renee Bartholomew	FY13 commitments
Measures	Planned Accomplishments	Midyear/ End-of-Year Status/Comment
	<p>Miscellaneous Activities</p> <ul style="list-style-type: none"> • Participate in RCRAInfo conference calls of the State/EPA data management team • Participate in the monthly RCRAInfo national conference calls. • Attend the periodic meetings of the EPA/State data management team • Attend the periodic RCRAInfo National User Conferences • Attend RCRAInfo training and refresher courses, as appropriate. • Participate in the Change Management and WIN/INFORMED review process 	<p>Midyear and EOY Status: PADEP participated in all RCRAInfo conference calls and Change Management processes. PADEP staff remain interested in attending upcoming RCRAInfo National User Conferences, RCRA Inspector Workshops, and RCRAInfo training and refresher courses.</p>

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Objective 3.1: Preserve Land. By 2011, reduce adverse effects to land by reducing waste generation, increasing recycling, and ensuring proper management of waste and petroleum products at facilities in ways that prevent releases.

1b-Objective 3.1.2: Manage Hazardous Wastes and Petroleum Products Properly.

Work Plan Component/Program: CRA Subtitle C- Authorization and Regulatory Development	Fiscal Year: 2013 EPA Contact: Andrea Barbieri State Contact: Dwayne Womer	FY13 commitments
Measures	Planned Accomplishments	Midyear/ End-of-Year Status/Comment
State Level Results: Ensure that the state's authorized hazardous waste program is up to date with current federal regulations which will ensure proper hazardous waste management in the state.	Outcome: Adopt a regular cycle of annual updates of their RCRA regulations or statutes, as appropriate. Since Pennsylvania incorporates the majority of the federal RCRA Subtitle C regulations by reference, a regular cycle of regulation updates is not applicable. PA DEP will closely track federal regulatory actions and initiate changes to our State regulations where needed to comply with Pennsylvania statutes or where deemed necessary to preserve boundaries of authority (e.g. regarding import/export regulations, etc.) Adopt a regular schedule of submittal of revision authorization applications. Use streamlined/express process when seeking authorization. PA DEP will develop a schedule for submittal of revised authorization applications and provide said schedule to EPA Region 3 by 11/30/12.	Midyear and EOY Status: Due to time constraints and other program priorities, little progress has been made toward updating Pennsylvania's hazardous waste program authorization. In accordance with the FFY2014 RCRA Grant Work Plan, PADEP will submit a revised authorization application by the end of the FFY14 fiscal year.

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Sub-Objective 3.1.2: Manage Hazardous Wastes and Petroleum Products Properly.		
Work Plan Component/Program: RCRA Subtitle C- Compliance and Enforcement	Fiscal Year: 2013 EPA Contact: Carol Amend State Contact: Renee Bartholomew	FY13 commitments
Measures	Planned Accomplishments	Midyear/ End-of-Year Status/Comment
EPA Regional/National Level Results:	Outputs/Commitments:	
Number of Inspections of TSDFs operated by states or local governments. ACS -- RCRA03	Number of inspections of Federal TSDs - 6	EOY Status: 6 Federal TSD inspections were completed. PADEP will achieve 100% Federal TSD Inspections by the end of the FY.
Number of inspections of TSDFs by the state ACS -- RCRA01.s	Number of inspections of Private TSDs not inspected during previous year - 59	EOY Status: 72 TSD inspections were conducted.
Number of state inspections of LQGs to be conducted during the year under state authority. ACS -- RCRA02.s	Number of inspections of State & Local TSDs – N/A (none in PA)	
	Number of inspections of LQG (20% of LQG Universe) – 280	EOY Status: 481 LQG inspections were conducted.
	Number of inspections of LDFs not inspected in last 3 fiscal years – max. 3	EOY Status: 13 LDF inspections were completed as scheduled (see attached CME list).
	Number of inspections of SQG's and CESQGs – SQG – 260 and CESQG – 50	EOY Status: 578 SQG inspections and 305 CESQG inspections were conducted.
State Level Results:	Number of new Significant Non-Compliers (SNCs) identified - TBD	EOY Status: PADEP identified 2 new SNCs during the FY, Freehold Cartage & Spectrum Control (see attached SNC list).
	Number of Financial Assurance Evaluations – Review at least 4 Financial Test/Corporate Guarantee submissions per year for compliance with closure/post closure regulations. Facilities may substitute other FA mechanisms as needed.	EOY Status: 6 evaluations completed Alcoa, Inc. – Lancaster PAD003026663 Merck – West Point PAD002387926; Cherokee PAD003043353 GE – Lancaster PAD003026903; Erie PAD005033055 East Penn Manufacturing Co. Inc. – Lyon Station PAD002330165 Air Products & Chemicals – Trexlertown PAD003001070 Sunoco Logistics Partners LP – Marcus Hook PAD980550594

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Work Plan Component/Program: RCRA Subtitle C- Compliance and Enforcement	Fiscal Year: 2013 EPA Contact: Carol Amend State Contact: Renee Bartholomew	FY13 commitments
Measures	Planned Accomplishments	Midyear/ End-of-Year Status/Comment
	<p>Report on activities conducted to encourage the regulated community to voluntarily discover, disclose, and correct violations before they are identified by regulatory agencies for inspection or enforcement response.</p> <p>Enter all required data obtained from compliance inspections into RCRAInfo no later than 30 days following the inspection. This includes violations, enforcement response, etc. Inspections should also identify Significant non-Compliers (SNCs), and the appropriate SNC data should be entered into RCRAInfo within 30 days.</p> <p>Number of compliance assistance activities conducted, consistent with EPA policy on compliance assistance.</p> <p>The grantee agrees that all enforcement actions will be taken in accordance with the "timely and appropriate" criteria established in EPA's December 2003 "Enforcement Response Policy (ERP)."</p> <p>Upon EPA's request, the State agrees to provide EPA with copies of reports or data resulting from any compliance inspection and subsequent enforcement actions.</p> <p>Encourage the regulated community to voluntarily discover, disclose, and correct violations before they are identified by regulatory agencies for inspection or enforcement response. Provide compliance assistance activities directed at newly regulated handlers, handlers subject to new regulations, small businesses in priority industrial sectors, and other small businesses with compliance problems.</p>	<p>EOY Status: PADEP used a variety of methods to encourage the regulated community to comply. Methods included conducting regulatory evaluations, informal conferences and annual waste seminars. PADEP staff also served as presenters at various waste association events and similar groups during which staff reviewed the statutes/regulations, explained the waste management program in PA and explained ways to achieve and maintain compliance.</p> <p>EOY Status: PADEP entered all compliance inspection data and codes into RCRAInfo within 30 days. In addition, the vast majority of enforcement actions were taken in accordance with the "timely and appropriate" criteria. There are 48 facilities that exceed the timely and appropriate criteria due to extenuating circumstances. PADEP continues to follow up with these facilities to resolve the violations.</p> <p>EOY Status: PADEP provided EPA with copies of reports and/or data (i.e., groundwater monitoring evaluations, inspection reports, etc.) resulting from compliance/enforcement actions.</p> <p>EOY Status: (see first item above for a description of compliance assistance activities)</p>

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Objective 3.2: Restore Land. By 2011, control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.		
Sub-Objective 3.2.2: Clean Up and Reuse Contaminated Land.		
Work Plan Component/Program: RCRA Subtitle C- Corrective Action & RCRA Revitalization	Fiscal Year: 2013 EPA Contact: Paul Gotthold State Contacts: Glenn Mitzel, Dwayne Womer	FY13 commitments
Measures	Planned Accomplishments	Midyear/ End-of-Year Status/Comment
<p><u>Corrective Action</u></p> <p>EPA Regional/National Level Results:</p> <ul style="list-style-type: none"> • Number of RCRA facilities with human exposure under control ACS – CA1 • Number of RCRA facilities with migration of contaminated ground water under control ACS – CA2 • Number of RCRA facilities final remedies constructed ACS – CA5 <p>The plans to accomplish these goals should incorporate Environmental Justice considerations and priority should be given to facilities in the Chesapeake Bay watershed.</p> <p>Outcome: By 2020 permanently eliminate or control hazardous waste impacts to public health and to the environment from past or current releases to the environment from facilities subject to RCRA Corrective Action.</p>	<p><u>Corrective Action</u></p> <p>Outputs/Commitments:</p> <ul style="list-style-type: none"> ◦ Construction complete at 43% of the 2020 Universe by 2013 (19 sites). ◦ Human Health EIs completed at 77% of the 2020 Universe by 2013 (20 sites). ◦ Groundwater EIs completed at 68% of the 2020 Universe by 2013 (11 sites). ◦ Site visits for EI Evaluations – 8 • Conduct follow-up where necessary at completed EI sites <p>FOR CORRECTIVE ACTION FACILITIES that rely on an environmental covenant for land use control AND PADEP is the lone "Agency": PADEP agrees to forward to EPA Region 3 copies of all notices received by the Department pursuant to the Uniform Environmental Covenants Act, under Sections 6509 and 6510. These notices are required by the Act in the event a change is made to the covenant.</p> <p>Deliverables: The Grantee agrees to provide EPA with corrective action program deliverables for work associated with the corrective action grant commitments. All deliverables will be submitted to the EPA State Program Manager.</p> <p>A. PDF of the final version of the following:</p> <ul style="list-style-type: none"> • Environmental Indicator Reports • Statements of Basis • Final Determinations 	<p>Construction complete: Midyear Status: 10 EOY Status: 21</p> <p>Human Health: Midyear Status: 10 EOY Status: 22</p> <p>Groundwater EI Midyear Status : 10 EOY Status: 22</p> <p>Site Visits Midyear and EOY Status: 7 EIs & 3 Follow ups:</p> <p><u>EIs</u> Cycle Chem, Inc. PAD067098822 Capital Lubricants Corporation, Inc. PAD980537609 Petroleum Industry Maintenance, Inc./United Environmental Group PAD982662116; PAD987283140 Brenntag Northeast Inc. PAD004318960 Safety-Kleen Corp – Stoystown PAD000738831 Safety-Kleen Systems, Inc. – Johnstown PAD981736143 Safety-Kleen Systems, Inc. – Baldwin PAD05553122</p> <p><u>Follow-up visits:</u> Le-Jo Enterprises PAD002915445 PRIMUS Technologies Corporation PAD000800557 Penn Engineering PAD002371987</p> <p>EOY Status: Submission of completed EI reports from the GTAC contractor and regional offices is on-going.</p>

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<p><u>CRA Revitalization:</u></p> <p>umber of RCRA projects in ontinued use, reuse, planned use, and vacant will be reported EPA. Each revitalization roject will be evaluated for acres turned to productive use, jobs reated/saved, and economic npact, to the extent that formation is available</p> <p>ssist EPA in determining acres or all new 2020 sites.</p>	<p>B. Electronic copies of the following: Validated Google Earth KML polygon files showing entire facility property boundary and the aerial extent of each engineering and institutional control if different from the property boundary (e.g., capped areas within the facility, or a delineated no-dig area, etc.).</p> <ul style="list-style-type: none"> • Institutional Controls (e.g., environmental covenants) • Financial Assurance Review and approvals (<i>see Section "C" of the "Hazardous Waste Permitting" section of this workplan dealing with Financial Assurance</i>) <p><u>Outputs/Commitments:</u></p> <p>A. For any new HHEIs achieved Complete, or assist EPA in completing, a Land Use/Reuse form (Blank forms will be provided by EPA).</p> <p>B. Provide EPA a list of Facilities where the State becomes aware of site redevelopment and for each one complete a Land Use/Reuse form.</p> <p>C. Provide EPA a list of Facilities where the State becomes aware that operations have ceased and for each one complete a Land Use/Reuse form.</p>	<p>Midyear and EOY Status: On-going</p> <p>Midyear and EOY Status: On-going</p> <p>Midyear and EOY Status: On-going</p>
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GENERAL, ADMINISTRATIVE, AND REPORTING REQUIREMENTS [STRATEGIC PLAN GOAL 3.1.2 & 3.2.2]

A. GENERAL

1. The Grantee agrees to implement its permit, closure, compliance, and enforcement program in accordance with the performance expectations set forth in EPA's "National Criteria for a Quality Hazardous Waste Management Program under RCRA." (EPA/530/SW 86-021, July 1986).
2. Should EPA determine that program revision or withdrawal is necessary, the Grantee must enter into a Cooperative Arrangement with EPA in order to maintain the Grantee's eligibility for federal funding. The Cooperative Arrangement will detail the activities the Grantee will perform to assist EPA in the implementation of the National RCRA program.
3. If at any time during the budget period the recipient discovers that a grant commitment will not be met, the recipient should notify the EPA Project Officer, in writing, within 15 days of identifying the projected shortfall. An explanation should be provided as to why the commitment will not be met and propose an alternate schedule or comparable activity, as appropriate. Prior approval should be obtained from EPA before implementing an alternate schedule or comparable activity.

B. ADMINISTRATIVE

1. The Grantee agrees to submit a written end-of-year report to EPA by October 30 of each year summarizing program accomplishments for the fiscal year. If requested by EPA, the Grantee agrees to meet with EPA Program personnel within 60 days of the end of the second quarter of the fiscal year (March 31) and the end of the fourth quarter of the fiscal year (September 30), to discuss the Grantee's performance relative to the program commitments set forth in the grant work plan.
2. Pursuant to 40 CFR §271.8, EPA reserves the right to request from the Grantee any additional information EPA deems necessary to fulfill its oversight responsibilities. The Grantee will provide EPA with the requested information within fifteen (15) days of EPA's request.
3. Upon submittal of the EPA Financial Status Report, the Grantee agrees to provide a written explanation of the circumstances surrounding any unobligated balance of Federal funds and/or any related grant commitments which were not met.
4. In accordance with 40 CFR §31.25, the Grantee agrees that any program income received by the grantee directly generated by a grant supported activity, or earned only as a result of grant agreements, during the grant period shall be used to pay its cost share or undertake additional activities which further the purpose of the agreement. The Grantee agrees to immediately notify the EPA Project Officer upon the

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inception of Program Income generation and also agrees to advise as to the treatment (i.e., "match" or "increase"). Upon completion of the project/budget period, the Grantee will use the "long" form Financial Status Report (FSR) if program income was generated.

C. CORRECTIVE ACTION AND PERMITTING (INCLUDING CLOSURE, POST CLOSURE, AND COMBUSTION)

1. The Grantee agrees to provide EPA with corrective action program deliverables for work associated with the corrective action grant commitments. All deliverables will be submitted to the EPA State Program Manager.

A. PDF of the final version of the following:

- Environmental Indicator Reports
- Statements of Basis
- Final Determinations

B. Electronic copies of the following:

- Validated Google Earth KML polygon files showing entire facility property boundary and the areal extent of each engineering and institutional control if different from the property boundary (e.g., capped areas within the facility, or a delineated no-dig area, etc.)
- Institutional Controls (e.g., environmental covenants)
- Financial Assurance Review and approvals

2. The Grantee agrees to provide EPA the following permit and closure information:

- a. Notification of new facility permit applications within two weeks of receipt;
- b. Copies of full draft permits that include corrective action conditions, within two weeks of issuance; and
- c. For all facilities, the Grantee agrees to submit to EPA, within ten (10) working days of completion, a copy of all final permits issued, modified, or reissued, or permit denial or withdrawal actions.
- d. Financial assurance information pertaining to permitting, and corrective action will be entered into RCRAInfo for the facility-specific Financial Assurance mechanism. In addition, Grantee will report at end of year the following events for each facility (all that is applicable):
 - a. Changes in mechanisms;
 - b. Notices of Violation;
 - c. Mechanisms with cost estimates that change greater than 10% percent

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- e. EPA will audit selected financial assurance packages at the mid and end of year review.
3. The Grantee agrees to electronically provide EPA notice of the following closure/post-closure data and information within 30 days of occurrence or receipt:
- a. Copies of the public notices announcing receipt of closure/post-closure plans and public hearings, if applicable;
 - b. Copies of the approved closure and post-closure permits, orders, plans or other instruments, including ground water monitoring plans, for all facilities;
 - c. Copies of the closure certifications for facilities signed by an independent registered professional engineer (or an independent qualified soil scientist, in cases of land treatment facilities) and the owner or operator;
 - d. Copies of the State's reports of inspections conducted during closure and after receipt of closure certification;
 - e. Copies of any notice placed in the property deed, or other instrument that is normally examined during a title search, annotating the existence of any closed disposal facility/unit or cell; and
 - f. Ground water monitoring data related to CME inspections.
4. The Grantee agrees to provide EPA the following Hazardous Waste Combustion information within 30 days of occurrence or receipt:
- A. Permits
 - Applications
 - Draft permits (including Clean Air Act Title V permits where MACT EEE applies)
 - Final permits (including Clean Air Act Title V permits where MACT EEE applies)
 - Permit modifications
 - B. Notifications (these are MACT requirements that are, in effect, self-implementing permits)
 - Documentation of compliance
 - Notification of compliance
 - C. Testing
 - Trial burn/comprehensive performance test (CPT) plans

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- Trial burn/CPT reports
- Confirmatory performance test reports

D. Combustion Risk Assessments (these should be rare going forward)

- Risk assessment protocol
- Risk assessment report

5. The State agrees to notify EPA of its intent to grant any waiver or variance at least 10 days before it is granted, and to provide EPA a copy of the final action within 10 days of issuance.
6. The State agrees to submit one draft RCRA operating permit (non-combustion) each fiscal year for EPA permit quality evaluation. This draft permit should be submitted at least 14 days in advance of the public comment period.
7. For all facilities, the Grantee agrees to submit to EPA, within ten (10) working days of completion, a copy of all final permits issued, modified, or reissued, or permit denial or withdrawal actions.

Contracts, Subsidies and Grants

In-kind Contracts

- RCRA Inspector Training (18 Month Frequency) \$21,276 In-kind total (\$10,638 FFY2011 and \$10,638 for FFY2012) **Sub-Objective 3.1.2 RCRA Sub-Objective Compliance and Enforcement**
- RCRA Corrective Action Workshops (18 Month Frequency)- \$18,415 In-kind total (for FFY2012) **Sub-Objective 3.2.2 RCRA Subtitle C- Corrective Action and RCRA Revitalization**

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- E-Cycling Grants – \$125,000 for FFY2011; \$125,000 for FFY2012; and \$125,000 for FFY2013. **Sub-Objective 3.1.2 RCRA Subtitle C-Waste Minimization**
- Household Hazardous Waste Grants – \$585,000 for FFY2011; \$585,000 for FFY2012; and \$585,000 for FFY2013. **Sub-Objective 3.1.2 RCRA Subtitle C-Waste Minimization**
- School Chemical Cleanout Program – \$125,000 for FFY2011; \$125,000 for FFY2012; and \$125,000 for FFY2013. For School Chemical Cleanouts and Waste Minimization and Chemical Safety Training. The training will be for selected school personnel from participating schools. **Sub-objective 3.1.2 RCRA Subtitle C – Waste Minimization.**
- RCRA Corrective Action/Permitting General Technical Assistance Contract (GTAC) – \$450,000 for FFY2011; \$300,000 for FFY2012; and \$150,000 for FFY2013. **Sub-Objective 3.2.2 RCRA Subtitle C-Corrective Action and RCRA Revitalization**
- RCRA Corrective Action EI visits for 2020 Vision sites – \$250,000 for FFY2011; \$300,000 for FFY2012; and \$350,000 for FFY2013. **Sub-Objective 3.2.2 RCRA Subtitle C-Corrective Action and RCRA Revitalization**